

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A particle in which the core ~~is based on~~ comprises at least one biodegradable organosoluble polymer, characterized in that it is ~~at least~~ partially or entirely surface-coated with at least one hyaluronan or with one of its derivatives, said hyaluronan being a water-soluble amphiphilic hyaluronan, ~~the carboxylic~~ carboxylic functions of which are in part converted so as to form hydrophobic ~~groups~~ groups, wherein the hydrophobic groups are anchored in the polymeric core of the particle.
2. (Currently Amended) The particle as claimed in claim 1, characterized in that ~~wherein~~ the hydrophobic groups are attached to the hyaluronan by means of ester and/or amide functions.
3. (Currently Amended) The particle as claimed in claim 1, characterized in that ~~wherein~~ the carboxylic functions are in part esterified with at least one group chosen from linear or branched, saturated or unsaturated alkyl ~~chains which may be interrupted with one or more hetero atoms and, where appropriate, substituted with an aromatic ring, and oligomers that derive from α -hydroxy acids~~ chains.
4. (Currently Amended) The particle as claimed in claim 3, characterized in that ~~wherein~~ the alkyl chains have a number of carbon atoms ~~of greater than 5, and in particular greater than 10~~ greater than 5.
5. (Currently Amended) The particle as claimed in ~~claim 1, claim 4,~~ characterized in that, ~~when~~ wherein the alkyl chains have a number of carbon atoms ranging from 15 to ~~20, 20 and~~ the degree of esterification is at most 15%.
6. (Currently Amended) The particle as claimed in claim 5, characterized in that ~~wherein~~ the hyaluronan is esterified with an alkyl chain having 18 carbon atoms.

7. (Currently Amended) The particle as claimed in claim 6, ~~characterized in that~~
~~wherein~~ the degree of esterification is less than 7%.

8. (Withdrawn-Currently Amended) The particle as claimed in claim 1,
~~characterized in that, when~~
~~wherein~~ the alkyl chains have a number of carbon atoms ranging from 10 to ~~14, 14 and~~ the degree of esterification is greater than or equal to 25%.

9. (Currently Amended) The particle as claimed in claim 1, ~~characterized in that~~
~~wherein~~ the biodegradable organosoluble polymer is, or is derived from, a synthetic or natural biodegradable polymer.

10. (Currently Amended) The particle as claimed in claim 1, ~~characterized in that~~
~~wherein~~ the biodegradable organosoluble polymer is a polymer chosen from polyesters such as poly(lactic acid), poly(glycolic acid) or poly(ϵ -caprolactone), polyanhydrides, poly(alkyl cyanoacrylates), polyorthoesters, poly(alkylene tartrate), polyphosphazenes, polyamino acids, polyamidoamines, polycarbonate, poly(methylidenemalonate), polysiloxane, polyhydroxybutyrate or poly(malic acid), and their copolymers or derivatives.

11. (Currently Amended) The particle as claimed in claim 1, ~~characterized in that~~
~~wherein~~ the biodegradable organosoluble polymer is chosen from poly(lactic acid), poly(glycolic acid), poly(caprolactone) and their copolymers.

12. (Currently Amended) The particle as claimed in claim 1, ~~characterized in that it also comprises~~
~~further comprising~~ at least one biological or synthetic active substance,
~~wherein the at least one biological or synthetic active substance is~~ ~~encapsulated in the~~
~~within the~~ polymer core.

13. (Currently Amended) The particle as claimed in claim 12, ~~characterized in that~~
~~wherein~~ the encapsulated active substance is at least one biological substance chosen from peptides, proteins, carbohydrates, nucleic acids, lipids, polysaccharides, antigens, enzymes, hormones, receptors, vitamins, matrical components such as, for example,

glycosaminoglycans, biological factors involved in the process of regeneration and/or protection of cartilage, in arthrosis, and mixtures thereof.

14. (Currently Amended) The particle as claimed in claim 13, ~~characterized in that~~
~~wherein~~ the encapsulated active substance is chosen from glucosamine, hyaluronic acid, chondroitin sulfate and mixtures thereof.

15. (Currently Amended) The particle as claimed in claim 12, ~~characterized in that~~
~~wherein~~ the active substance is at least one synthetic ~~active substance~~, in particular of the medicinal ~~product type, product~~, chosen from anti-inflammatory compounds, anesthetics, chemotherapeutic agents, immunotoxins, immunosuppressants, steroids, antibiotics, antiviral agents, antifungal agents, antiparasitic agents, immunizing substances, immunomodulators and analgesics.

16. (Currently Amended) The particle as claimed in claim 1, ~~characterized in that~~
~~it comprises~~further comprising up to 95% by weight of an active substance.

17. (Currently Amended) The particle as claimed in claim 1, ~~characterized in that~~
~~it~~wherein the particle has a size ranging from 50 nm to 600 μm , ~~and in particular from 80 nm to 250 μm . 600 μm .~~

18. (Currently Amended) The particle as claimed in claim 1, ~~characterized in that~~
~~it~~wherein the particle is a nanoparticle.

19. (Withdrawn-Currently Amended) The particle as claimed in claim 1,
~~characterized in that~~it~~wherein the particle~~ is a microparticle.

20. (Currently Amended) The particle as claimed in claim 1, ~~characterized in that~~
~~it~~wherein the particle is obtained by the emulsion/solvent evaporation technique using, as emulsion stabilizing agent, at least said amphiphilic hyaluronan.

21. (Withdrawn-Currently Amended) A biological vector, ~~characterized in that~~it
~~comprises~~comprising at least particles as claimed in claim 1.

22. (Withdrawn) An encapsulated material comprising the particles as claimed in claim 1 encapsulating at least one active substance.

23. (Withdrawn) A composition intended for the treatment of arthrosis comprising the particles as claimed in claim 1.

24. (Withdrawn) A pharmaceutical composition or diagnostic composition comprising at least particles as claimed in claim 1, where appropriate combined with at least one pharmaceutically acceptable and compatible carrier.

25-27. (Canceled)

28. (New) The particle as claimed in claim 1, wherein the biodegradable organosoluble polymer is, or derived from, a natural biodegradable polymer.

29. (New) The particle as claimed in claim 3, wherein the alkyl chains are interrupted with one or more hetero atoms and/or are substituted with an aromatic ring and oligomers that derive from α -hydroxy acids.

30. (New) The particle as claimed in claim 6, wherein the alkyl chains have a number of carbon atoms greater than 10.

31. (New) The particle as claimed in claim 1, wherein the particle has a size ranging from 80 nm to 230 μ m.